

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 March 2005 (31.03.2005)

PCT

(10) International Publication Number
WO 2005/028061 A2

(51) International Patent Classification⁷: **B01D**

(21) International Application Number:
PCT/US2004/030263

(22) International Filing Date:
16 September 2004 (16.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/663,955 16 September 2003 (16.09.2003) US

(71) Applicant (for all designated States except US): **VICI GIG HARBOR GROUP, INC.** [US/US]; P.O.Box 2657, Gig Harbor, WA 98335 (US).

(71) Applicants and

(72) Inventors: **WOHLEB, Robert, H.** [US/US]; P.O.Box 2657, Gig Harbor, WA 98335 (US). **OKIRO, Martin** [KE/US]; P.O.Box 2657, Gig Harbor, WA 98335 (US).

(74) Agent: **KEELING HUDSON, LLC**; P.O.Box 70103, Houston, TX 77270 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

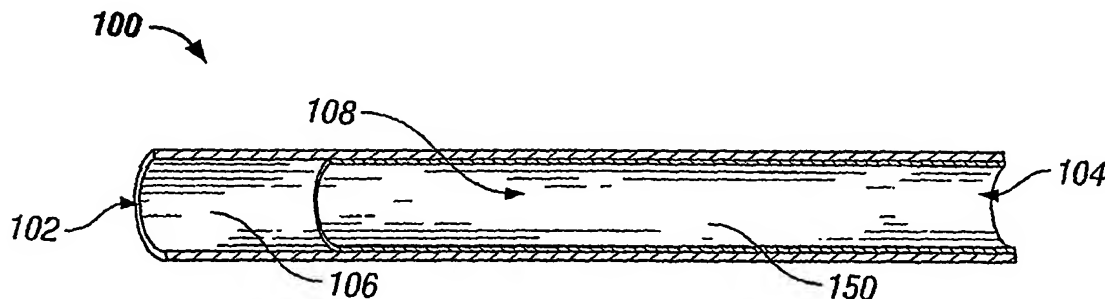
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COATED CHROMATOGRAPH INJECTION PORT LINER FOR PERFORMING SURFACE SORBENT



(57) Abstract: A device and method for extracting an analyte from a sample matrix comprises a sorption liner, which is coated with a sorbent material on the inside surface of the liner. A method for extracting an analyte from a sample matrix includes exposing the liner sorptive coating to the sample matrix by continuously feeding the sample matrix through the liner, or filling the liner with the sample matrix and sealing both ends of the liner. After the analyte is collected in the sorbent material, the sorption liner may be emptied and attached to an analytical device, such as a gas chromatograph. The analyte then undergoes desorption and is fed directly into the analytical device.

BEST AVAILABLE COPY

WO 2005/028061 A2